

#### **REMARKS**

**[0010]** Applicant respectfully requests reconsideration and allowance of all of the claims of the application. The status of the claims is as follows:

- Claims 1, 3-11, 13-16 and 25-31 are currently pending
- Claims 1, 9 and 25 are amended herein

**[0011]** Support for the amendments is found in the specification at least at paragraphs [0048], [0055], [0064], Figs. 3-5, 8 and 10.

**[0012]** If the Examiner's reply to this Response is anything other than allowance of all pending claims, then Applicant formally requests the Examiner to contact the undersigned attorney to quickly and efficiently resolve any issues.

**[0013]** Applicant encourages the Examiner to call and schedule a date and time for a telephone communication that is most convenient for both of us. Alternately, Applicant also encourages email communication in lieu of telephone communication. Applicant's attorney contact information may be found on the last page of this response.

#### **Claim Objections**

**[0014]** Claim 3 stands objected to. Applicant herein amends claim 3 as shown above. Applicant respectfully submits that this amendment renders the rejection moot. Therefore, Applicant respectfully requests that the objections be withdrawn.

### Cited Document

[0015] Millet: Millet et al., U.S. Patent No. 6,865,613 has been applied to reject one or more claims of the Application.

### Millet Fails to Anticipate Claims 1, 3-11, 13-16 and 25-31

Independent claim 1 presently recites (emphasis added):

1. (Currently Amended) A computer-readable medium storing computer-executable instructions for providing a subscribe-notify service with virtual connectivity to perform a method on a computing device comprising:

receiving at least one network attachment point change event subscription from at least one network attachment point change event subscriber, network attachment point change events comprising an indication of a change in a network address of a device on a network from an original network attachment point having an original network attachment point identification to a current network attachment point having a current network attachment point identification;

receiving at least one network attachment point change event publication from at least one network attachment point change event publisher, the network attachment point change event publication comprising an identification of an original network attachment point and an identification of a current network attachment point that is different from the original network attachment point, wherein the identification of the original network attachment point and the identification of the current attachment point is synchronized with an entry in a local connection translation table stored locally on a remote peer; and

for each network attachment point change event publication matching a network attachment point change event subscription, notifying the network attachment point change event subscriber of the matching published network attachment point change event, wherein an application layer **continuously** refers to a current attachment point on the network by using an original network attachment point **identification regardless of the number of network attachment point changes, and a lower protocol layer refers to the current network attachment point, and,**

**wherein the application layer is unaware of network attachment point changes.**

**[0016]** Claims 1, 3-11, 13-16 and 25-31 stand rejected under 35 U.S.C. § 102(e) as allegedly being anticipated by Millet. Applicant respectfully traverses the rejections. Nevertheless, for the sole purpose of expediting allowance and without conceding the propriety of the Office's rejections, Applicant has amended claim 1.

**[0017]** Applicant respectfully submits that the above reference does not disclose the features emphasized above. Specifically, Millet discusses "a visiting node connect[ing] to [a] network, the network translat[ing] the source address of packets from the node to a particular one of its outside addresses. The network also replaces destination addresses in packets received by the network that are addressed to the particular outside address. Specifically, the network replaces the globally unique outside address with the "home" address of the visiting node." (Abstract) However, simply readdressing/rerouting packets does not disclose at least the features emphasized above.

**[0018]** In fact, during the interview, Applicant understood the Examiner to tentatively agree. Thus, Applicant respectfully submits that the cited reference does not disclose the features emphasized above. Applicant therefore submits that for at least this reason, this claim and its dependent claims stand allowable.

**Independent claim 9** presently recites (emphasis added):

9. (Currently Amended) A computer-readable medium storing computer-executable instructions for providing a virtual connectivity subscribe-notify service with virtual connectivity to perform a method on a computing device comprising:

    sending a subscribe message to the virtual connectivity subscribe-notify service subscribing to at least one network attachment point change

event published by a remote peer, the at least one network attachment point change event comprising a change in a network address of the remote peer;

receiving a notify message from the virtual connectivity subscribe-notify service notifying of a network attachment point change event published by a remote peer; and

synchronizing a previous network address entry associated to a previous network attachment point of the remote peer in a locally stored local connection translation table with a corresponding current network address entry associated to a current network attachment point of the remote peer,

**wherein an application layer continuously refers to the current network attachment point by referring to the previous network attachment point, wherein the application layer is unaware of attachment point changes.**

**Independent claim 25** presently recites (emphasis added):

25. (Currently Amended) A computing device for providing a virtual connectivity subscribe-notify service with virtual connectivity comprising:

a processor; and

memory coupled to the processor, the memory comprising computer-program instructions executable by the processor for:

sending a subscribe message to the virtual connectivity subscribe-notify service subscribing to at least one network attachment point change event published by a remote peer, the at least one network attachment point change event comprising a change in a network address of the remote peer; [[and]]

receiving a notify message from the virtual connectivity subscribe-notify service notifying of a network attachment point change event published by a remote peer; and

synchronizing a previous network address entry associated to a previous network attachment point of the remote peer in a locally stored local connection translation table with a corresponding current network address entry associated to a current network attachment point of the remote peer,

**wherein an application layer refers to the current network attachment point by referring to the previous network attachment point and a lower protocol layer refers to the current attachment point.**

In making out a rejection of claims 9 and 25 before their amendment, the Office states that this claim is anticipated by Millet. Applicant respectfully traverses the rejections. Nevertheless, for the sole purpose of expediting allowance and without conceding the propriety of the Office's rejections, Applicant has amended claims 9 and 25 in a manner similar to claim 1. Applicant asserts that the evidence in the Millet reference fails to disclose the features of amended independent claims 9 and 25, at least for reasons similar to those discussed above with regards to claim 1. Applicant submits that for at least this reason that these claims as well as their dependent claims stand allowable.

### Conclusion

[0019] Applicant submits that all pending claims are in condition for allowance. Applicant respectfully requests reconsideration and prompt issuance of the application. If any issues remain that prevent issuance of this application, the Examiner is urged to contact the undersigned representative for the Applicant before issuing a subsequent Action.

Respectfully Submitted,

Lee & Hayes, PLLC  
Representative for Applicant

/David K. Sakata/ Dated: 8/26/2009  
David K. Sakata (davids@leehayes.com; 509-944-4716)  
Registration No. 59,949

Dale G. Mohlenhoff (dalem@leehayes.com; 509-944-4738)  
Registration No. 37,683